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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,604	04/29/2005	Tomitaro Hara	112857-447	4564
29175 7590 06/09/2008 BELL, BOYD & LLOYD, LLP P. O. BOX 1135			EXAMINER	
			NGUYEN, KHANH TUAN	
CHICAGO, IL 60690			ART UNIT	PAPER NUMBER
			1796	
			MAIL DATE	DELIVERY MODE
			06/09/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/533.604 HARA ET AL. Office Action Summary Examiner Art Unit KHANH T. NGUYEN 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on RCE filed on 05/12/2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 18.19 and 21-34 is/are pending in the application. 4a) Of the above claim(s) 22-34 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 18,19 and 21 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

Paper No(s)/Mail Date 06/03/2008.

Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 05/12/2008 has been entered.

Response to Amendment

The amendment filed on 02/06/2008 is entered and acknowledged by the Examiner. Claims 18, 19 and 21 are currently pending in the instant application. Claims 1-17 and 20 have been canceled. Non-elected claims 22-34 have been withdrawn from further consideration.

The amendment filed on 02/06/2008 was previously presented on 10/29/2007 wherein claims 18, 19, and 21 were rejected under 35 U.S.C 102(b) and in the alternative under 35 U.S.C 103(a) over Tsuchida et al. (JP Pub. 2000-082329) are maintained for the reason set forth below.

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Information Disclosure Statement

The information disclosure statement (IDS) filed on 06/03/2008 has been considered. An initialed copy accompanies this Office Action.

Claim Rejections - 35 USC § 102/103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior at are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 18, 19 and 21 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tsuchida et al. (JP Pub. 2000-082329 hereinafter, "Tsuchida").

Tsuchida discloses a proton conductive high polymer substance formed from a polymer having sulfate radical or sulfuric acid radical in each molecule and a polymer Application/Control Number: 10/533,604

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given by the general formula –(R1-X) n-, wherein R1 contain carbon, X is N, O, or S and n is two or more integers (Abstract and [0014-0016]). Tsuchida also discloses the polymer of sulfate radical or sulfuric acid radical is characterized by high ion dissociative and may contain a hydroxyl group [0017]. The proton conductive substance may further comprises N'-dimethylformamide solvent [0020]. Tsuchida teaches a mixing ratio of the polymer (second compound) containing sulfuric acid radical (protoic dissociation group) ranging from 95/5 to 5/95 by weight ratio (i.e. mole ratio) [0024]. The amount of sulfate radical is 0.3-2 pieces (mole) per unit (mole) of polymer represented by formula -(RI-X)n- [0022]. The mole ratio of sulfate radical to polymer disclosed by Tsuchida is less than 10. Tsuchida further teaches when the sulfuric acid radical content becomes less than 5 the ion conductivity or proton conductivity become difficult to acquire sufficiently [0024].

The reference specifically or inherently meets each of the claimed limitations. The reference is anticipatory.

In the alternative that the above disclosure is insufficient to anticipate the above listed claims, it would have nonetheless been obvious to the skilled artisan to produce the claimed composition, a person of ordinary skill in the art can easy substitute the N-dimethyl formamide and dimethyl formamide of Tsuchida with a similar compound such as N, N-dimethyl formamide to yield a predictable result. Please note that structurally similar compounds are generally expected to have similar properties. In re Gvurik, 596 F. 2d 1012,201 USPQ 552.

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Response to Arguments

It is believed that all the pending issues have been addressed. Based on the above rational, it is believed that the claimed limitations are met by the reference submitted and therefore, the rejection is maintained.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHANH T. NGUYEN whose telephone number is (571)272-8082. The examiner can normally be reached on Monday-Friday 8:00-5:00 EST PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Kopec/ Primary Examiner, Art Unit 1796

/KTN/ 06/06/2008